

ABSTRACT OF THE DISCLOSURE

A scanning analyzer unit comprises a scanner device, a signal amplifier, an analog/digital converter, a driver device, a controller device, a computing unit, and a RS-232 interface. After chemical, biological, or chemi-enzymatic reaction, a resulting color change of a testing support through reacted multi-chromogens therein is quantified
5 by means of the scanning analyzer unit. Via the sensitivity differences of the multi-chromogens at a fixed wavelength of the scan, multi-analyte concentrations of wide range variations in one sample can be simultaneously assayed.